



627

THYRATRON MERCURY-VAPOR TRIODE

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DATA

Electrical:

Filament:

Voltage*	2.5	volts
Current.	6.0	amp
Direct Interelectrode Capacitance:		
Anode to Grid (Approx.)	2.5	μ uf
Peak Voltage Drop.	12	volts
Control Characteristic	Negative	
Ionization Time (Approx.)	10	μ seconds
Deionization Time (Approx.)	1000	μ seconds

Mechanical:

Mounting Position.	Vertical, Base Down
Overall Length	6-3/8" \pm 1/4"
Seated Length.	6" \pm 1/4"
Maximum Diameter	2-1/16"
Bulb	S-19
Cap.	Medium Metal
Base	Small Shell Super-Jumbo 4-Pin

Maximum Ratings, Absolute Values:

For frequencies up to 150 cycles

PEAK FORWARD ANODE VOLTAGE	1250 max.	volts
PEAK INVERSE ANODE VOLTAGE	2500 max.	volts
PEAK GRID VOLT. (Before Conduction)	-500 max.	volts
PEAK ANODE CURRENT	2.5 max.	amp
AVERAGE ANODE CURRENT**	0.64 max.	amp
SURGE ANODE CURRENT for 0.1 sec. max.	25 max.	amp
GRID CURRENT, Before Conduction (Grid Neg.)	4 max.	μ amp
PEAK GRID CURRENT.	0.25 max.	amp
AVERAGE GRID CURRENT**	0.06 max.	amp
COND.-MERCURY TEMPERATURE RANGE Δ	25-70	$^{\circ}$ C

* Filament voltage must be applied at least 10 seconds before start of tube conduction.

** Averaged over any 30-second interval.

Δ Recommended Condensed-Mercury Temperature 40 to 45 $^{\circ}$ C.

MAY 1, 1946

TUBE DIVISION

TENTATIVE DATA

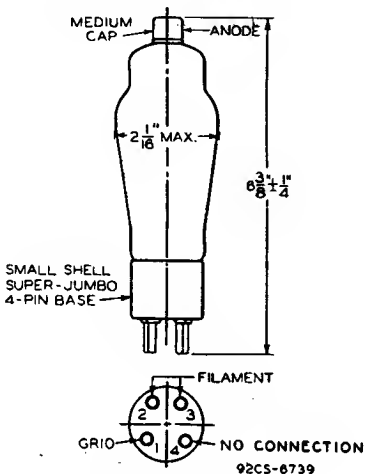
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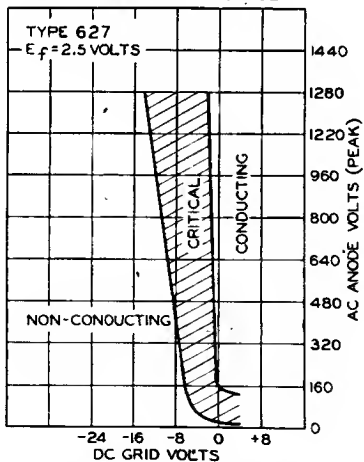


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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



92CS-6738

MAY 1, 1946

 TUBE DIVISION
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